

*Handwritten: A1, Cont'd, B1*

3. (Amended) The heat-seal polymer film of claim 1, wherein the ethylene is present in the random copolymer in an amount of from about 1% to about 15% by weight.

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5. (Amended) The heat-seal polymer film of claim 1, wherein the random copolymer has a DSC melting point temperature of less than about 125° C.

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11. (Amended) The heat-seal polymer film of claim 1, wherein the random copolymer has a DSC melting point temperature from about 110° C to about 125° C.

12. (Amended) The heat-seal polymer film of claim 1, wherein the random copolymer is a random terpolymer of propylene, ethylene and at least one other C<sub>4</sub> to C<sub>8</sub> alpha olefin.

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13. (Amended) The heat-seal polymer film of claim 12, wherein the at least one other C<sub>4</sub> to C<sub>8</sub> alpha olefin is butene.

14. (Amended) The heat-seal polymer film of claim 1, wherein the heat-seal film has an ultimate seal strength that is at least 30% greater than a heat-seal film prepared under similar conditions from a random copolymer of propylene and ethylene using a Ziegler-Natta catalyst useful in the polymerization of isotactic polypropylene.

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16. (Amended) A multi-layer polymer film comprising a polyolefin core layer and at least one heat-seal layer formed from a random copolymer of propylene and ethylene prepared using a metallocene catalyst useful in the polymerization of isotactic polypropylene and without other non-metallocene-catalyzed random copolymers that is joined to the polyolefin core layer.

Sub B1  
A3  
20. (Amended) The multi-layer polymer film of claim 16, wherein the ethylene is present in the random copolymer in an amount from about 0.5 % to about 30% by weight.

21. (Amended) The multi-layer polymer film of claim 16, wherein the ethylene is present in the random copolymer in an amount from about 1% to about 15% by weight.

Sub B1  
A3  
23. (Amended) The multi-layer polymer film of claim 16, wherein the random copolymer of the heat-seal layer has a DSC melting point temperature of less than about 125° C.

24. (Amended) The multi-layer polymer film of claim 16, wherein the heat-seal layer provides an ultimate seal strength that is at least 30% greater than a heat-seal layer prepared under similar conditions from a random copolymer of propylene and ethylene using a Ziegler-Natta catalyst useful in the polymerization of isotactic polypropylene.

25. (Amended) The multi-layer polymer film of claim 16, wherein the random copolymer has a DSC melting point of from about 110°C to about 125°C.

26. (Amended) The multi-layer polymer film of claim 16, wherein the random copolymer is a random terpolymer of propylene, ethylene and at least one other C<sub>4</sub> to C<sub>8</sub> alpha olefin.

27. (Amended) The multi-layer polymer film of claim 26, wherein the at least one other C<sub>4</sub> to C<sub>8</sub> alpha olefin is butene.

Sub B1  
A7  
29. (Amended) A material for use in heat-seal applications comprising a random copolymer of propylene and ethylene prepared using a metallocene catalyst useful in the polymerization of isotactic polypolypropylene and without other non-metallocene-catalyzed random copolymers.

Sub B1  
A7  
Cont'd

30. (Amended) The material of claim 29, wherein the material provides a heat-seal film having an ultimate seal strength that is at least 30% greater than a heat-seal film prepared under similar conditions from a copolymer of propylene and ethylene using a Ziegler-Natta catalyst useful in the polymerization of isotactic polypropylene.

31. (Amended) The material of claim 29, wherein the ethylene is present in the random copolymer in an amount of from about 0.5 % to about 30 % by weight.

32. (Amended) The material of claim 29, wherein the ethylene is present in the random copolymer in an amount of from about 1% to about 15% by weight.

A8

34. (Amended) The material of claim 29, wherein the random copolymer has a DSC melting point temperature of less than about 125° C.

Sub B1  
A9

38. (Amended) The material of claim 29, wherein the random copolymer has a DSC melting point of from about 110°C to about 125°C.

39. (Amended) The material of claim 29, wherein the random copolymer is a random terpolymer of propylene, ethylene and at least one other C<sub>4</sub> to C<sub>8</sub> alpha olefin.

40. (Amended) The material of claim 39, wherein the at least one other C<sub>4</sub> to C<sub>8</sub> alpha olefin is butene.

Sub B1  
A10

42. (Amended) A method of forming a heat-seal film comprising:

providing a random copolymer of propylene and ethylene prepared using a metallocene catalyst useful in the polymerization of isotactic polypropylene without other non-metallocene-catalyzed random copolymers; and

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B1

forming the random copolymer into a layer of film.